



Studio Electric Range



Instructions for Use, Installation & Servicing

For use in GB & IE (Great Britain & Republic of Ireland).



IMPORTANT

THE OUTER CASING, FRONT AND GLASS PANEL BECOME EXTREMELY HOT DURING OPERATION AND WILL RESULT IN SERIOUS INJURY AND BURNS IF TOUCHED. IT IS THEREFORE RECOMMENDED THAT A FIREGUARD COMPLYING WITH BS 8423:2002 IS USED IN THE PRESENCE OF YOUNG CHILDREN, THE ELDERLY OR INFIRM.

For use with 230v 50Hz electricity supply only.

Please read these instructions carefully before installation and keep them in a safe place.

They will be needed when maintenance or servicing is required.

THIS APPLIANCE MUST BE EARTHE

Contents

Covering the following models:

Studio 1	Studio 2	Studio 3	Studio 22
223-802	223-837	223-856	223-884

With the following frame options

Verve Frame						Glass Frame	
Model	Graphite	Metallic Blue	Metallic Red	Metallic Bronze	Ivory	Model	Black Glass
Studio 1	923-900	923-900BL	923-900RD	923-900BZ	923-900IV	Studio 1	923-908
Studio 2	923-926	923-926BL	923-926RD	923-926BZ	923-926IV	Studio 2	923-933
Studio 3	923-876	923-876BL	923-876RD	923-876BZ	923-876IV	Studio 3	923-910
Studio 22	923-952	923-952BL	923-952RD	923-952BZ	923-952IV	Studio 22	923-947

E-motiv Frame - Black Glass			
Model	Light Oak	Oak	Walnut
Studio 1	923-848	923-801	923-814
Studio 2	923-890	923-820	923-832
Studio 3	923-809	923-844	923-853
Studio 22	923-834	923-875	923-887

E-motiv Frame - White Glass			
Model	Light Oak	Oak	Walnut
Studio 1	923-839	923-898	923-905
Studio 2	923-860	923-912	923-927
Studio 3	923-866	923-934	923-948
Studio 22	923-896	923-963	923-971

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Evolve Frame			
Model	Light Oak	Oak	Walnut
Studio 1	923-885	923-807	923-811
Studio 2	923-881	923-823	923-830
Studio 3	923-945	923-842	923-856
Studio 22	923-975	923-864	923-879



To receive your Extended Warranty your Gazco appliance must have been purchased from our Expert Retailer Network and registered within one month of purchase or installation. Please note that all warranties are effective from the date of purchase. Any Gazco product purchased outside of our Extended Retailer Network, or not registered within the stated time will carry a standard 12 month warranty.

Full terms and conditions are detailed in the Warranty Statement on the Gazco website www.gazco.com. In the event of any conflict of information the wording on the website shall prevail.

Important Note: Should any problems be experienced with your product, claims must first be submitted to the Expert Retailer where the appliance was purchased from who will offer immediate assistance or contact Gazco on your behalf.

User Instructions

1. Important Information and Health and Safety



HANDLE WITH CARE:
THE PAINT SURFACE OF DECORATIVE FRAMES CAN MARK WHEN HANDLING.
ALWAYS WEAR THE GLOVES PROVIDED DURING INSTALLATION.

- 1.1 Read all of the instructions carefully before using the appliance.
- 1.2 Remove all packaging and dispose of at an appropriate recycling facility.
- 1.3 Do not locate this appliance immediately below a fixed socket outlet.
- 1.4 Parts of the outer casing of this appliance are considered by the manufacturer to be a working surface which becomes hot when the heater is switched on. You must use a suitable fire guard to protect children, the elderly and the infirm.
- 1.5 Do not use this appliance in the immediate surroundings of a bath, shower, swimming pool or any other area where the appliance could come into contact with water or humidity, e.g. a bathroom.

1.6 WARNING! DO NOT COVER

Do not allow the appliance to be covered or let the air inlet/outlet become obstructed as the appliance may overheat. Please note the warning symbol on the appliance (see above).

- 1.7 **For indoor use only.** This appliance is not suitable for use outside the house.
- 1.8 Keep the power cord away from hot surfaces and hot conditions. Do not route the power lead in front of the appliance.
- 1.9 This appliance must be firmly fixed to flat internal wall. Ensure that furniture, curtains etc. are positioned no closer than 1m to the appliance.
- 1.10 When the fire has been installed the position of the plug must be accessible.
- 1.11 Where the electricity supply cable has to pass through a fire place, stone surround etc. ensure suitable rubber bushes are fitted at possible wear points.
- 1.12 If installed in an open fireplace, blank off the chimney to reduce the risk of a back draught which can cause the safety cut-out to operate.
- 1.13 If the electricity supply cable is damaged do not use the appliance until it has been replaced. For safety reasons the replacement has to be carried out by a Gazco service agent or a similarly competent electrician.
- 1.14 Do not use this appliance with any kind of timer, programmer or thermal control or other device that will switch the appliance on or off automatically.
- 1.15 Do not operate the appliance if it is damaged.

1.16 Repairs of electrical appliances must only be performed by an electrical engineer. Should the appliance fail to operate, or in case of any damage, please contact the retailer from whom the appliance was purchased.

1.17 **Never leave the heater unattended while it is in use.** Always switch the product to the OFF position and unplug it from the electrical outlet when not in use.

1.18 **This appliance is not intended to be used by persons under the age of 12, persons with reduced physical, sensory or mental capabilities or persons with lack of experience and knowledge in the safe operation of the appliance.**

The appliance may be operated by persons above the age of 12 provided they have been instructed in the safe use of the appliance and that they understand the hazards involved. Persons above the age of 12 may also operate the appliance under the supervision of a responsible adult.

1.19 Parts of this appliance become hot whilst in operation and under no circumstances should persons under the age of 12 be left alone with the product when it is in operation unless a suitable fireguard is used to protect them against the possibility of coming into direct contact with the appliance.

2. Operating Instructions



WARNING! Do not operate the appliance if it is damaged or has malfunctioned. If you suspect the appliance is damaged or has malfunctioned call a qualified service engineer to inspect the appliance, and replace any part of the electrical system if necessary, before reuse.

GENERAL

2.1 The appliance can be operated by the infrared handset or the manual controls which are on the right hand side of the outer casing.

PREPARATION BEFORE USE

Batteries:

- 2.2 Ensure that the handset battery is new and is inserted correctly.
- 2.3 Dispose of old batteries at an appropriate recycling facility.

When using the handset:

- 2.4 Ensure the handset is pointed at the infrared sensor located behind the flame effect screen at the back of the inside of the appliance.

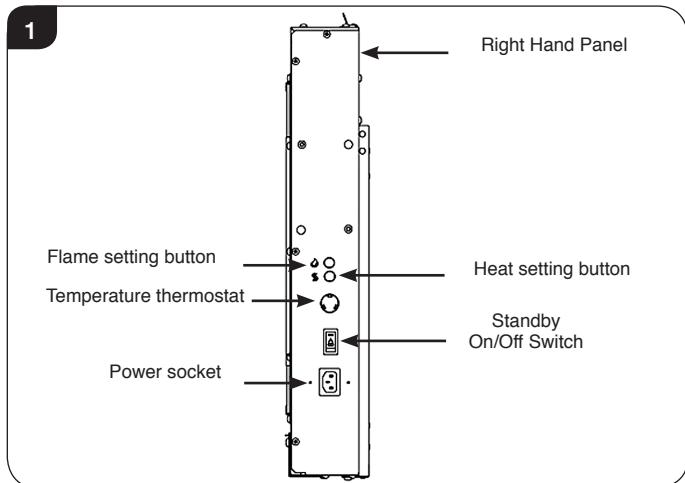
LOCATION OF POWER SWITCH

- 2.5 The mains power switch is located on the control panel located on the right-hand side of the appliance (see Diagram 1 over page).
- 2.6 Switch ON (–) before operating either the remote or manual controls.
- 2.7 A beep is heard to indicate the fire is ready for use.

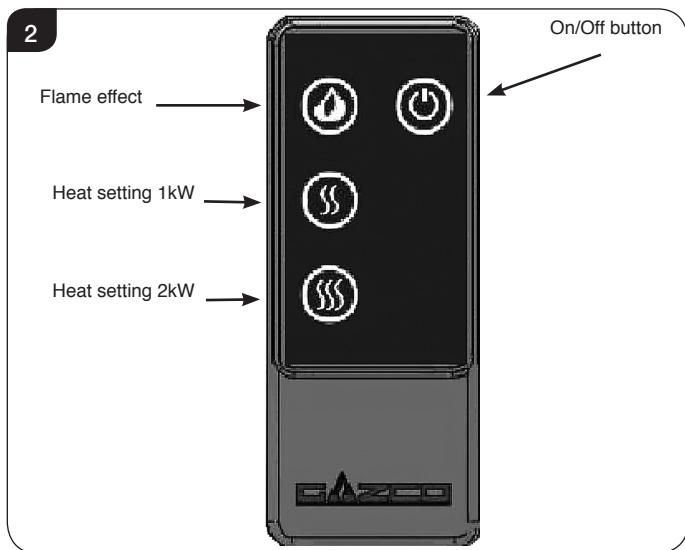
User Instructions

Remote & Manual Operation

- 2.8 The following functions can be controlled using the manual controls or remote handset:
- Heat settings 1 and 2
 - Brightness of the fuel and flame effect
- 2.9 The Standby function and the thermostat can only be operated via the manual controls.



- 2.10 The effects can be turned off using the remote, returning the appliance to Standby, see Diagram 2.



Standby On/Off

- 2.11 The appliance is in Standby mode when the power is switched on via the manual control panel. You must have this power supply ON (—) before using the manual or remote controls.

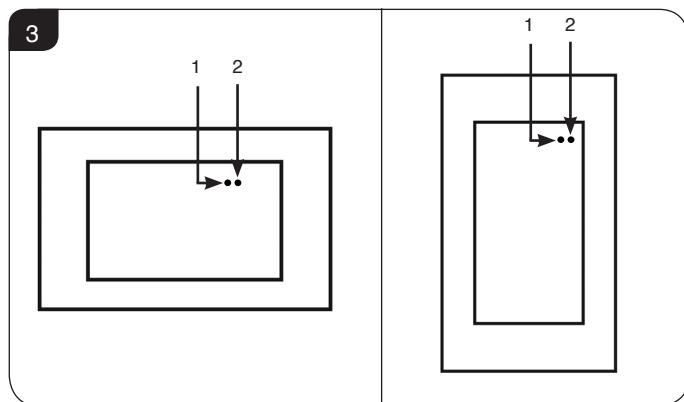
Turning On the Appliance

Flame Effects:

- 2.12 The flame effect button on both the manual and remote controls has 4 settings:
- Press **once** for maximum brightness level.
 - Press **twice** for brightness level 3.
 - Press **three times** for brightness level 2.
 - Press **four times** for minimum brightness.

Turning On the Heat:

- 2.13 When turning on the heater you must always press the 1kW button. Do not start the fire using the 2kW setting.
- 2.14 It is NOT possible to run the heater without the flame effects switched on.
- 2.15 Press the 1kW button to turn the fan heater ON. One red indicator light will be displayed on the indicator (1) - See Diagram 3. The appliance will blow cold air for approximately 8 seconds before the heater comes on. On this setting the heater will operate at half its maximum temperature.
- 2.16 Press the 2kW button **once** to turn the fan heater to its maximum temperature. Two red indicator lights will be displayed on the indicator (1) + (2) behind the flame effect screen - See Diagram 3. After approximately 8 seconds the heater will operate at its maximum temperature.



- 2.17 Pressing the 2kW button again will turn the heater OFF and cold air will continue until the flame effect is turned off.
- 2.18 Press the 1kW button to return to the lower heat setting.
- 2.19 Press the On/Off button to turn off **ALL** settings and return to Standby.
- 2.20 The appliance should be turned off via the On/Off switch when it is not in use.

User Instructions

Thermostatic Control

- 2.21 The appliance is fitted with a thermostat. This is located on the right hand panel of the appliance, Diagram 1.

The thermostat can control the room temperature between approximately 9°C and 34°C. The edge of the thermostat control dial is numbered 1 - 9 with 1 being the coolest setting and 9 being the warmest. If the room temperature is too high turn the thermostat dial in an anti-clockwise direction. If the room temperature is too low turn the dial in a clockwise direction.

Thermal Safety Cutout

The appliance is fitted with a thermal safety cutout, which operates if it overheats. If this happens:

- 2.22 Unplug the appliance and allow it to cool for 5 - 10 minutes.
- 2.23 Check the air inlets/outlets for any obstruction and clear if necessary (*see Maintenance, Section 5.5*).
- 2.24 Plug in appliance and switch it on. The cutout will re-set and the appliance should function correctly. If this is not the case:
- 2.25 Unplug once more and have the fire checked by a competent electrician.

3. Anti Vibration Clips

In order to improve the performance of the appliance the addition of rubber mounts that reduce any possibility of vibration noise occurring when a frame has been attached have been designed.

The appliance is supplied with six rubber mounts that cushion the frames when fitted.

- 3.1 The rubber mounts are U-Shaped in order to fit into the slots in the appliance, see Diagram 4.

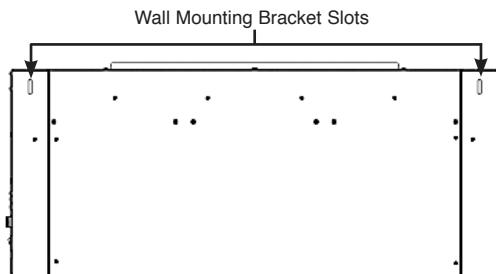
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- 3.2 To install the clips fit them over the slots in the Studio appliance.

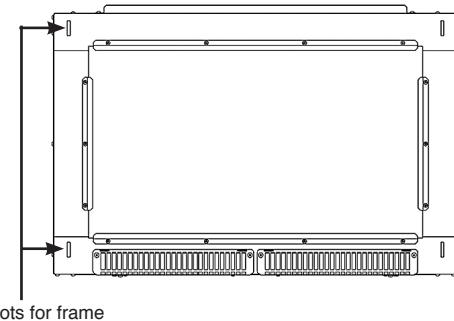
- 3.3 There are 2 slots on the rear of the appliance for the hooks on the wall mounting bracket, see Diagram 5.

5



- 3.4 There are 4 slots on the front of the appliance for the hooks on the decorative frame, see Diagram 6.

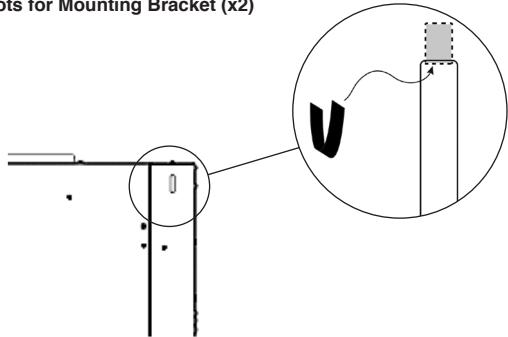
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- 3.5 The mounts must be fitted before the installation of the appliance and frame, see Diagram 7 & 8.

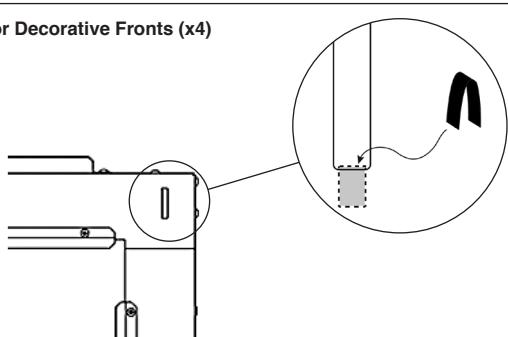
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Rear Slots for Mounting Bracket (x2)



8

Slots for Decorative Fronts (x4)



User Instructions

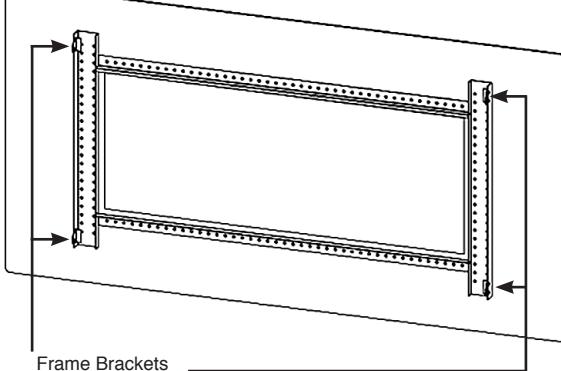
4. Fitting Frames



HANDLE WITH CARE:
THE PAINT SURFACE OF DECORATIVE FRAMES
CAN MARK WHEN HANDLING.
ALWAYS WEAR THE GLOVES PROVIDED
DURING INSTALLATION.

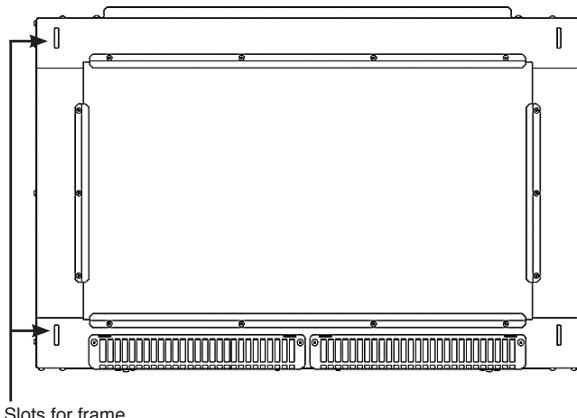
- 4.1 The frame options are secured to the appliance by 4 hooked brackets, see Diagram 9.

9



The hooks locate in the 4 slots on the front of the appliance, see Diagram 10.

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- 4.2 To remove the frame lift carefully and pull forward.

Fitting the frame is the reverse of this procedure.

5. Maintenance

- 5.1 **ALWAYS UNPLUG FROM MAINS SUPPLY BEFORE CLEANING OR UNDERTAKING ANY MAINTENANCE**

GENERAL CLEANING

- 5.2 Only clean the outer casing when it is cold. Do not use abrasive cleaners.

CLEANING FRONTS

- 5.3 Wipe the front with a damp cloth and buff with a lint free duster.

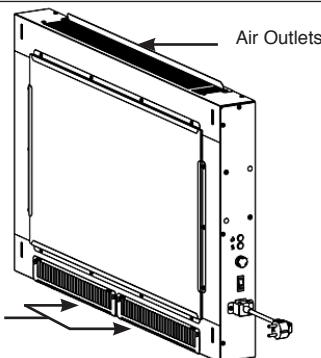
Caution: Do not use abrasive cleaners on the glass panel. Do not spray liquids directly onto any surface of the unit.

CLEANING AIR INLETS

- 5.4 Ensure the appliance is unplugged.

- 5.5 Clean the air inlet and outlet grilles regularly with a soft cloth or the nozzle of a vacuum cleaner.

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Dust build-up can inhibit efficient performance of the fan and lead to the safety cut-out operating.

- 5.6 Keep the area around the appliance clean and free of fluff, dust or pet hair.

- 5.7 In particular, build-up of dust etc. can occur around the heater area at the top of the appliance. Take particular care to keep this area free from such particles on a regular basis to prevent build-up.

BATTERY REPLACEMENT

- 5.8 When the remote batteries are low they must be changed immediately. Install correct replacement and dispose of the old batteries carefully.

Note: If the appliance is to be left for a long period of time ensure it is switched off and the power cord removed.

Installation Instructions

Technical Specification

These instructions cover the following models:

Studio 1	Studio 2	Studio 3	Studio 22
223-802	223-837	223-856	223-884

These appliances have 3 modes of operation:

- Flame effect only - with 4 brightness levels
- Flame effect + 1kW heating
- Flame effect + 2kW heating

A 230v 13amp 50Hz supply is required

Maximum power consumption:

Studio 1,2 & 3: 1800 watts

Studio 22: 900 watts

THIS APPLIANCE MUST BE EARTHED

A 1.8 metre lead with plug containing a 13 amp fuse is supplied. Only use a 13 amp fuse with this appliance.

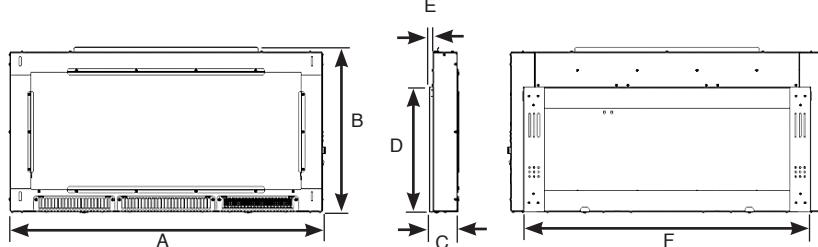
Remote control handset battery (CR2032)

This appliance has been certified for use in countries other than those stated. To install this appliance in these countries, it is essential to obtain the translated instructions and in some cases the appliance will require modification. Contact Gazco for further information.

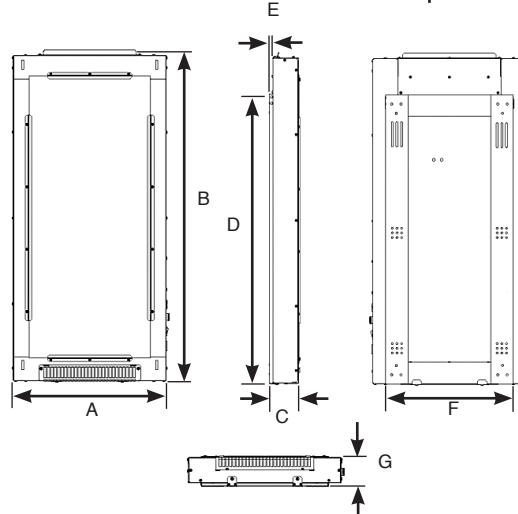
PACKING CHECKLIST

Appliance Description	Fixing Kit containing:
Studio 1	1 x Instruction Manual
Studio 2	1 x Power Cable
Studio 3	4 x Screws
Studio 22	4 x Rawl plugs
	1 x Handset
	2 x Retention screws
	1 x Battery
	6 x Anti Vibration Clips

STUDIO 1, 2 & 3



STUDIO 22



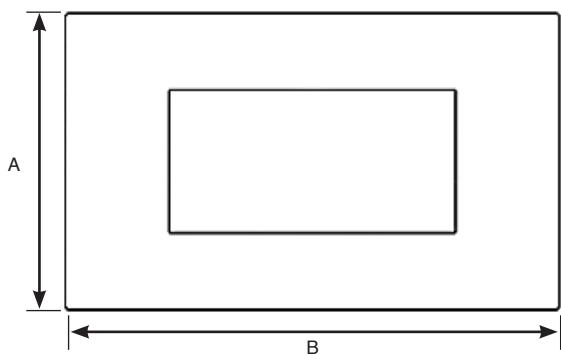
Model	A	B	C	D	E	F	G
Studio 1	822	549	87	416	12	739	98
Studio 2	1045	549	87	416	12	962	98
Studio 3	1430	553	99	456	12	1338	98
Studio 22	492	1062	87	929	12	409	98

Installation Instructions

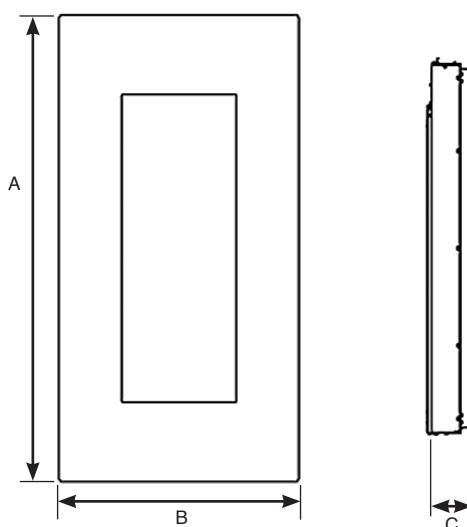
Technical Specification

These dimensions cover the following frame models:

STUDIO 1, 2 & 3



STUDIO 22



Verve Frame

Model	A	B	C
Studio 1	640	1320	155
Studio 2	240	1520	160
Studio 3	640	1900	194
Studio 22	1320	676	156

Glass Frame

Model	A	B	C
Studio 1	675	1120	118
Studio 2	675	1320	118
Studio 3	665	1700	130
Studio 22	1320	675	118

E-motiv Frame

Model	A	B	C
Studio 1	675	1120	133
Studio 2	675	1320	133
Studio 3	675	1710	133
Studio 22	1320	675	133

Evolve Frame

Model	A	B	C
Studio 1	640	1000	144
Studio 2	640	1200	144
Studio 3	640	1590	144
Studio 22	1200	640	144

Installation Instructions

1. General

1.1 TOOLS REQUIRED

A Screw Driver, Spirit Level and Drill will be needed.

1.2 UNPACKING THE FIREPLACE

WARNING! DO NOT use this appliance if any part has been exposed to water.

Immediately call a qualified service technician to inspect and to replace any part of the electrical system if necessary.

1.3 Open the packaging carefully and remove the polystyrene. Remove and discard the plastic bag. Keep plastic wrapping away from children. Be responsible when handling the packing materials.

1.4 Check all parts and accessories are removed before disposing of any packaging. If necessary keep the original packaging for future transport and/or storage.

2. Fitting the Appliance



**HANDLE WITH CARE:
THE PAINT SURFACE OF DECORATIVE FRAMES CAN MARK WHEN HANDLING.
ALWAYS WEAR THE GLOVES PROVIDED DURING INSTALLATION.**

2.1 Locating The Studio Electric

Your new Studio Electric may be installed virtually anywhere in your home. However, when choosing a location ensure that the general instructions are followed.

2.2 For best results, install out of direct sunlight.

2.3 If the power cord is damaged, it must be repaired by the manufacturer, its authorized service centre or professional person.

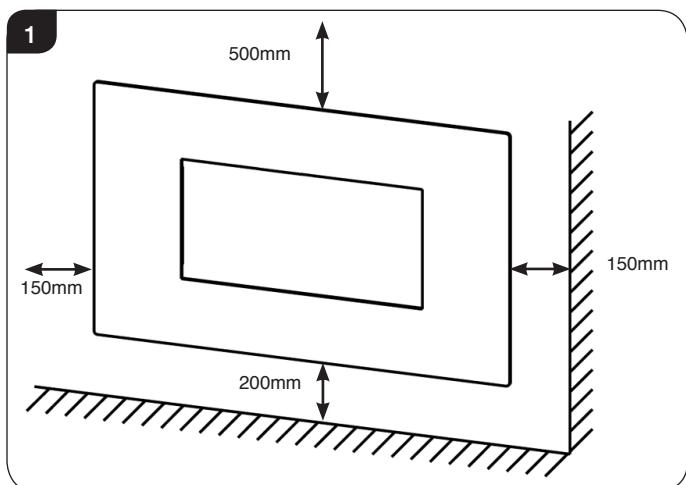
2.4 The appliance should be located close to a suitable mains socket to enable connection. The electrical socket must be easily accessible to allow disconnection when the appliance is fitted.

WARNING! KEEP ANY COMBUSTIBLE MATERIALS AT LEAST 1M FROM THE FRONT AND SIDES OF THE ELECTRIC FIREPLACE.

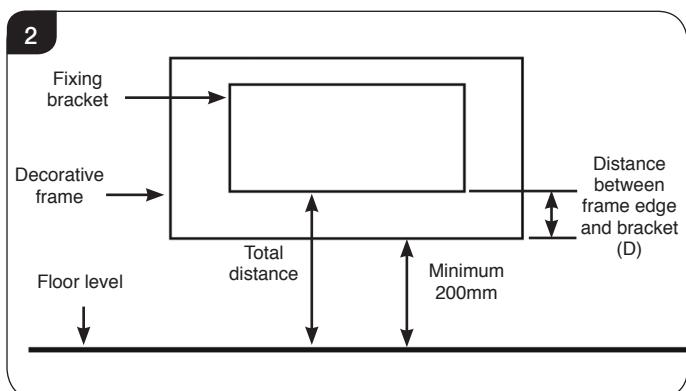
2.5 The Studio comes with the wall mounting bracket attached. It is held on by two screws on the bottom of the appliance which need to be removed before the bracket can be detached.

2.6 Prior to installation ensure the minimum clearances are

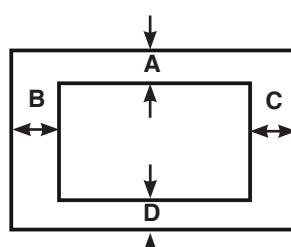
observed, see Diagram 1.



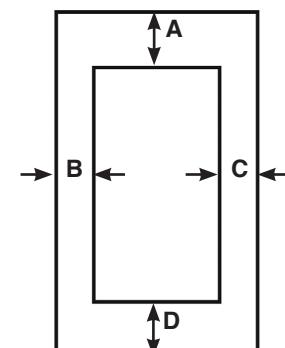
2.7 Decide on the height from the floor level to the bottom of the decorative frame (minimum of 200mm). Add the desired distance between the bottom of the frame and floor level to the frame dimension 'D' in Diagram 3 (see table over page) to achieve the total distance in Diagram 2. This will give the required height to the underside of the wall mounting bracket.



3 Studio 1, 2 & 3



Studio 22



Installation Instructions

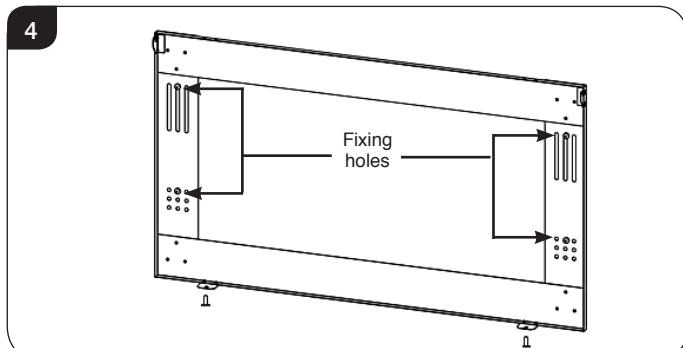
Verve Front (in mm)				
Model	A	B	C	D
Studio 1	45	250	250	55
Studio 2	45	240	240	55
Studio 3	158	332	332	158
Studio 22	155	95	95	155

Glass Front (in mm)				
Model	A	B	C	D
Studio 1	75	150	150	75
Studio 2	75	150	150	75
Studio 3	175.5	237	237	175.5
Studio 22	145	95	95	145

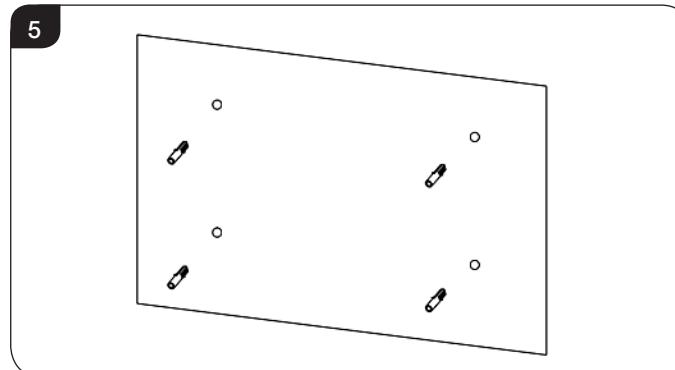
Evolve				
Model	A	B	C	D
Studio 1	158	175	175	158
Studio 2	158	175	175	158
Studio 3	158	175	175	158
Studio 22	175	158	158	175

E-motiv				
Model	A	B	C	D
Studio 1	175.5	235	235	175.5
Studio 2	175.5	235	235	175.5
Studio 3	175.5	235	235	175.5
Studio 22	235	175.5	175.5	235

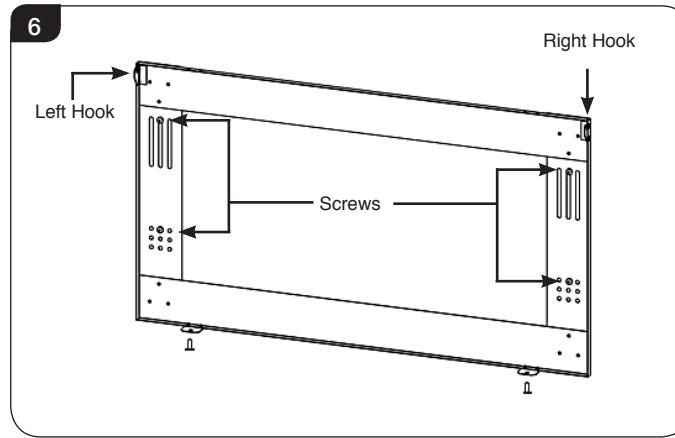
- 2.8 To prepare the installation measure the distance from floor level and draw a line on the wall using a spirit level.
- 2.9 Position the wall mounting bracket so that the bottom edge is level with the line drawn on the wall.
Mark the position of the four fixing holes on the wall, see Diagram 4.



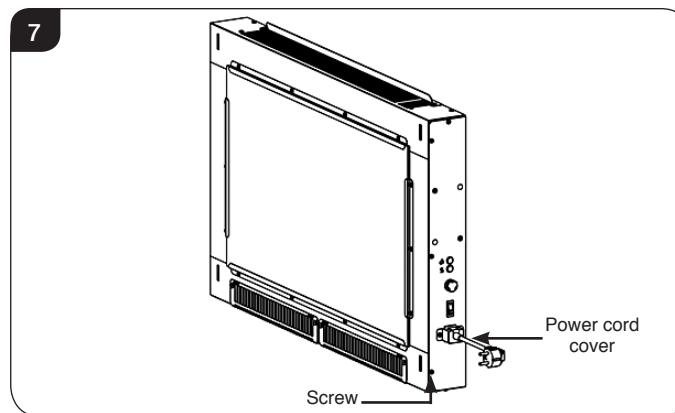
- 2.10 Drill the 4 holes and insert the rawlplugs provided.
Note: The rawlplugs supplied are suitable for solid wall applications. If it is intended to mount the appliance onto plasterboard or hollow walls suitable fixings must be used, see Diagram 5.



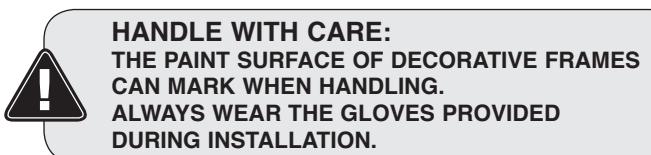
- 2.11 Attach the bracket to the wall using the screws provided ensuring the hooks are at the top, see Diagram 6.



- 2.12 Lift the engine onto the bracket.
Insert the hooks into the slots on the back of the engine and secure with two screws at the base of the bracket.
- 2.13 Attach the power cord to the engine and secure the power cord cover with the screws provided, see Diagram 7.

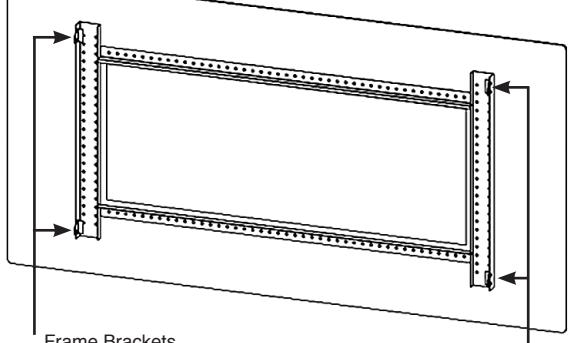


Installation Instructions

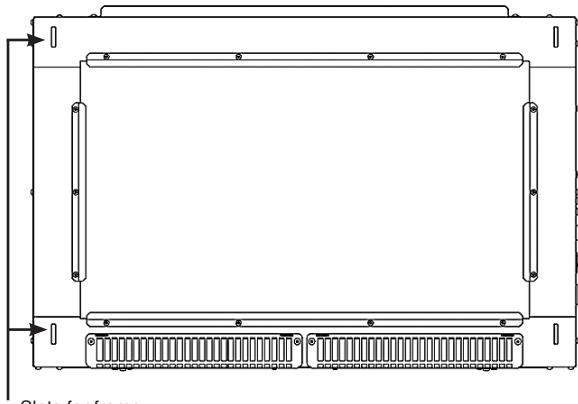


- 2.14 Insert the hooks on the back of the frame into the slots on the front of the engine and lower to secure in place, see Diagrams 8 & 9.

8



9



Verve Frame:

The Verve frame is supplied with a bag of optional decorative stones. These may be placed on the lip at the bottom of the frame in front of the effects screens and do not affect the operation of the appliance.

Servicing Instructions

1. Fault Finding

No illumination or uneven lighting:

- 1.1 Check the fan is working. If YES, one or more of the LED boards will need replacing. This must be undertaken by a suitably qualified person (*see Servicing Requirements*).
- 1.2 If NO, first change the 13amp fuse for one known to work. If the fire still does not work, check the socket by plugging in a working appliance. If this too fails to operate, call in a competent electrician to check the socket.

Illumination but no heat:

- 1.3 The safety cut-out has operated to protect against overheating (*see User Instructions, Section 2*). Ensure the air inlet and outlet grilles are free of dust or any other obstruction.
- 1.4 The thermostat control dial may be set too low. Turn the dial clockwise until the heater turns on.

Remote control fails to work:

- 1.5 Check that the batteries are new and correctly fitted. Replace if necessary.
- 1.6 Ensure that the handset is pointed towards the fire.

2. How to wire a plug

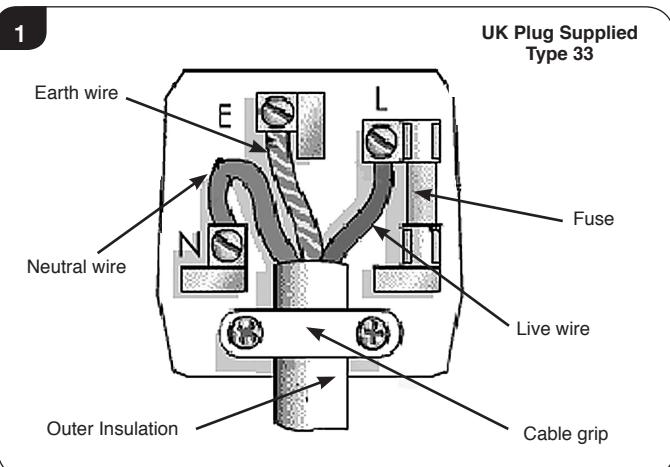
To change the plug supplied with this appliance, follow the instructions below. The instructions assume that the wire has been cut.



WARNING – FAILURE TO CONNECT THE WIRES CORRECTLY COULD PUT PEOPLE AT RISK FROM ELECTRIC SHOCK OR FIRE. IF IN DOUBT CONSULT A QUALIFIED ELECTRICIAN.

UK Plug

Suitable for use in Cyprus, Malta, Ireland & Great Britain.

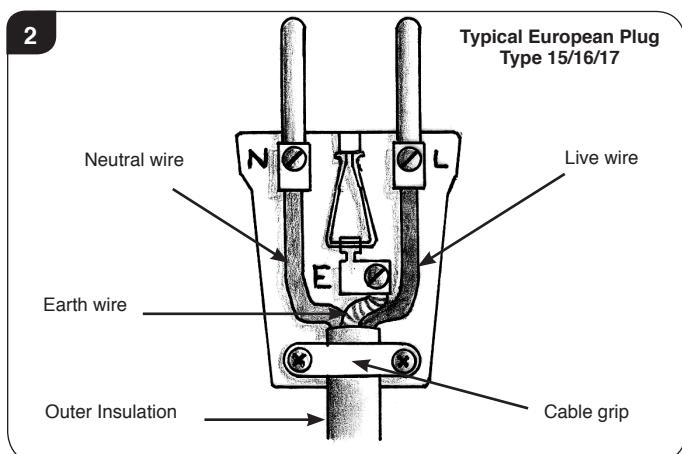


Live Wire	Brown	Terminal L / RED
Neutral Wire	Blue	Terminal N / BLACK
Earth Wire	Green & Yellow Stripes	Terminal E / / GREEN or GREEN & YELLOW

THIS APPLIANCE MUST BE EARTHED

European Plug

Suitable for use in Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Greece, Hungary, Germany, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain & Sweden



- 2.1 Dispose of the old plug safely. Ensure the new plug is not cracked or chipped.
- 2.2 Expose 4cm of the coloured wires and trim to the correct lengths so that they comfortably reach the correct terminals.
- 2.3 Ensure that the Earth wire has more slack than any of the other wires.
- 2.4 Remove some of the insulation to leave about 1cm of exposed metal core on each wire.
- 2.5 Twist the strands of the wire together.
- 2.6 Loosen the screw heads above each terminal.
- 2.7 Push the metal wire into the hole beneath each screw head or, dependent on plug design, wind the metal wire around the screw.
- 2.8 Ensure that the insulation reaches right up to each terminal as illustrated and there are no loose strands of wire.
- 2.9 Ensure the cable sits correctly under the cable grip and tighten to secure.
- 2.10 Refer to *Technical Specification* for fuse rating and fit the appropriate fuse into the plug.
- 2.11 Attach the plug cover.

Servicing Instructions

3. Servicing Requirements

THIS APPLIANCE MUST ONLY BE SERVICED BY A SUITABLY QUALIFIED PERSON.

BEFORE UNDERTAKING ANY WORK ON THE APPLIANCE: SWITCH OFF THE APPLIANCE AND ISOLATE IT FROM THE MAINS BY UNPLUGGING THE UNIT.

- 3.1 Wait for at least 10 minutes until the appliance has cooled down.

3.2 Remote Handset Battery Replacement

Replace with a CR2032 battery. Make sure the battery is installed correctly in the remote control.

3.3 Maintenance of Motors

The motors used on the fan and flame effect are pre-lubricated for extended bearing life and require no further lubrication. However, periodic cleaning/vacuuming of the fan/heater unit is recommended.

3.4 Resetting the Thermal Cutout Switch

The appliance is fitted with an Electronic Safety Control (E.S.). This is a safety device which switches off the fire if, the appliance overheats for any reason e.g. when covered.

If the heater stops operating whilst the flame effect continues normally, this indicates that the E.S. Control is in operation.

The E.S. Control can only be re-set after the appliance has cooled down.

To re-set the E.S:

Switch off the appliance (Manual On/Off switch) and leave for approximately 10-15 minutes.

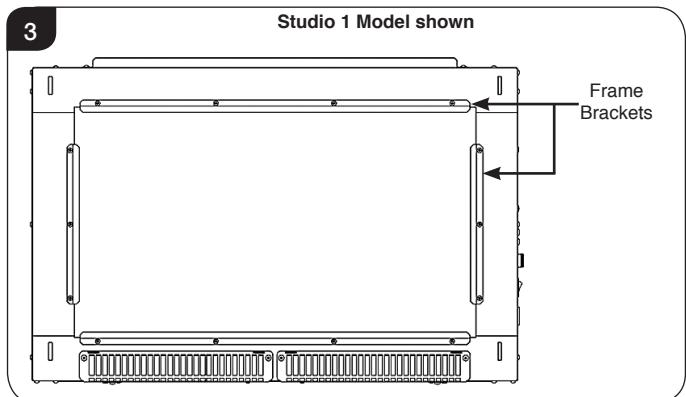
Remove any obstruction to the fan heater outlet or other internal parts.

Switch on appliance and the E.S. Control will re-set. Ensure that the appliance is functioning correctly. If the E.S. Control operates again, the appliance should be checked by a competent Electrician.

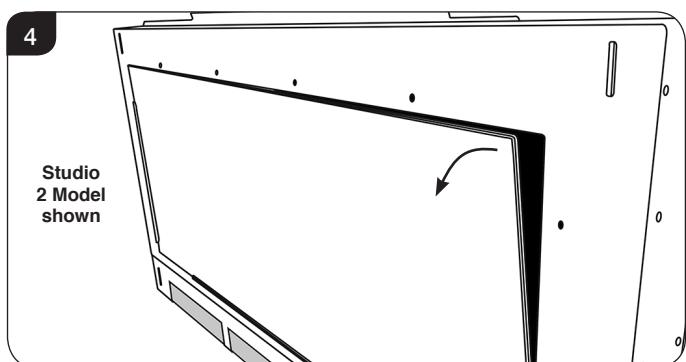
4. Removing the Screens

All Models

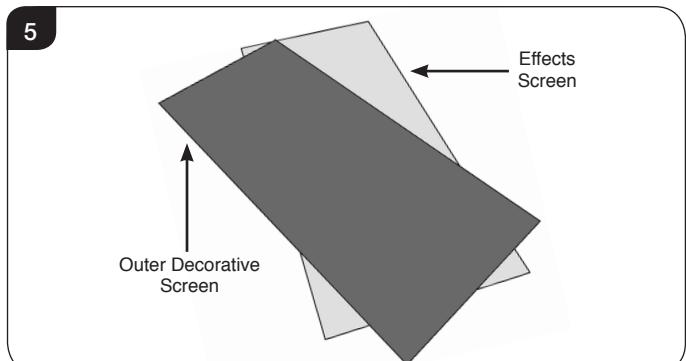
- 4.1 Unscrew one of the side brackets and the top bracket that hold the screens in place on the front of the engine, see Diagram 3.



- 4.2 Loosen or remove the remaining brackets if necessary to allow easy removal of the 2 screens.
Pull the exposed corner away from the appliance in order to remove carefully, see Diagram 4.
The screens can be removed together or individually. Do not bend the screens at an extreme angle as this may cause them to break.



- 4.3 There are 2 screens:
The Outer Effects Screen has a screen print pattern which must face the appliance when replacing.
The Inner Effects Screen has a matt finish on one side which must face inwards to the appliance when replacing.



- 4.4 Carefully set screens to one side to avoid damage.

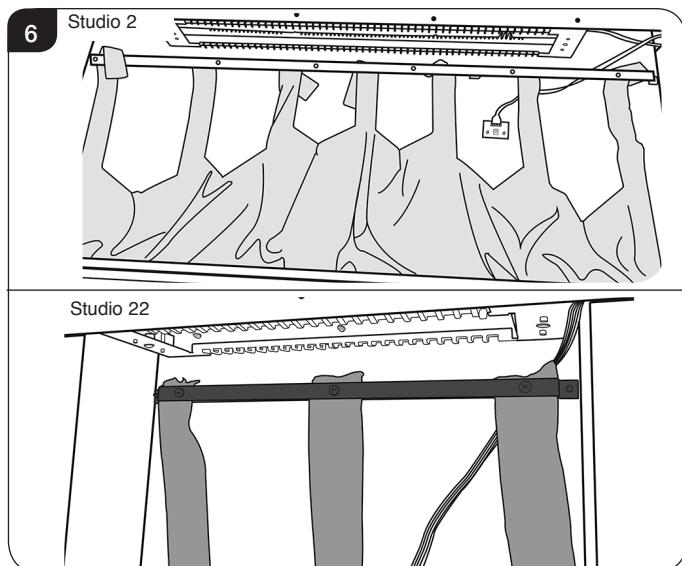
Servicing Instructions

5. Removing the Silk Effect

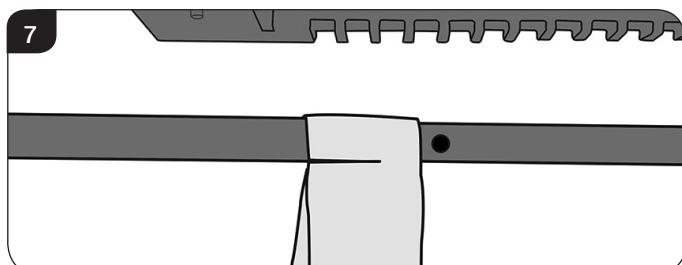
All models

In order to access and carry out servicing to many internal parts it is easier to remove the Silk Flame Effect. To do this:

- 5.1 First remove the effects screens, see Section 4. It is now possible to access the interior of the appliance.
- 5.2 The silk is held by a clamp at the top of the appliance. Remove the screws securing the top part of the clamp (number will vary depending on appliance), see Diagram 6.



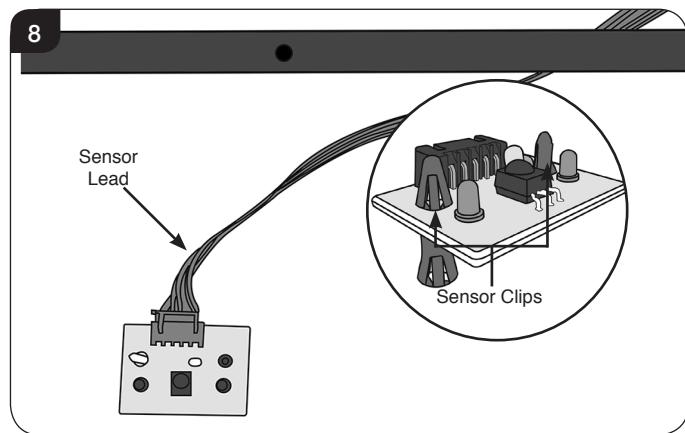
- 5.3 Lift off the top part of the clamp and place carefully to one side.
- 5.4 The Silk Effect is stuck to the bar. This can be easily pulled off. Note: There is a mark on the silk to denote the position it must be replaced on the bar to correctly produce the flame effect. It is vital the silk is replaced exactly as it was removed, see Diagram 7.



- 5.5 Once the silk has been freed from the bar it can be placed at the bottom of the interior of the appliance whilst work is carried out on the various components.
- 5.6 Refit the silk in reverse ensuring the mark lines up with the bottom of the bracket.

6. Replacing the Remote Sensor

- 6.1 Follow Section 4 to remove the decorative screens.
- 6.2 Disconnect the sensor lead and carefully move to one side, see Diagram 8.
- 6.3 Using a pair of long nosed pliers squeeze the clips that hold the sensor to the back of the appliance in order to release.

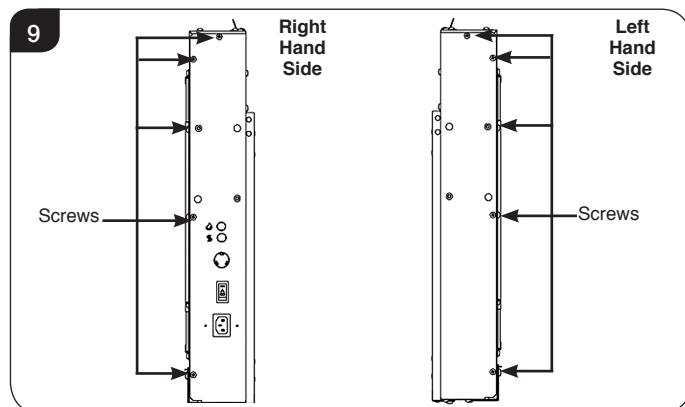


- 6.4 Remove the sensor and replace as required.

7. Accessing the Internal Components

All Models

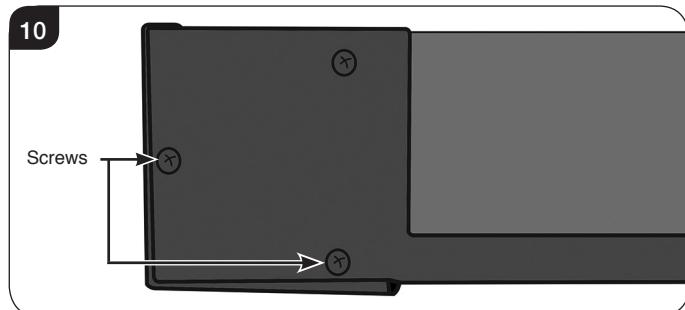
- 7.1 To access it will be necessary to remove the decorative screens - see Section 4.
- 7.2 Remove the screws securing the side panels (note the Studio 22 has 5 screws compared to the other models which have 4, see Diagram 9).



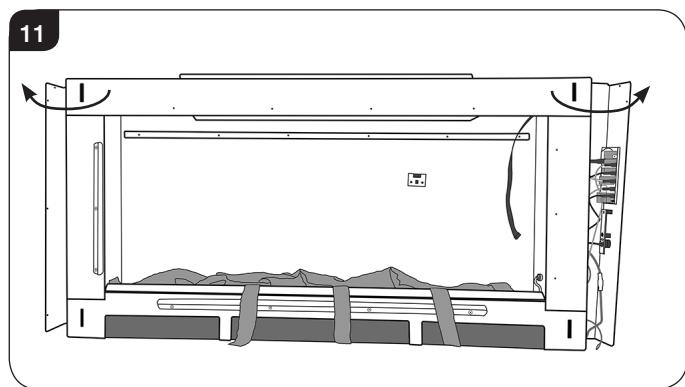
- 7.3 Remove the single screw at the top of the appliance on the outer edge of each side.

Servicing Instructions

- 7.4 Carefully lie the appliance on its back and remove the 2 screws on each side of the bottom edges, see Diagram 10.



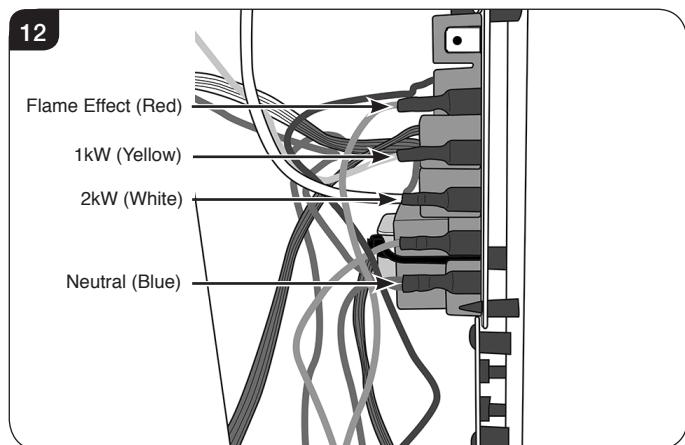
- 7.5 Stand the appliance back up right and carefully open the 2 sides outwards to reveal the electronics, see Diagram 11.



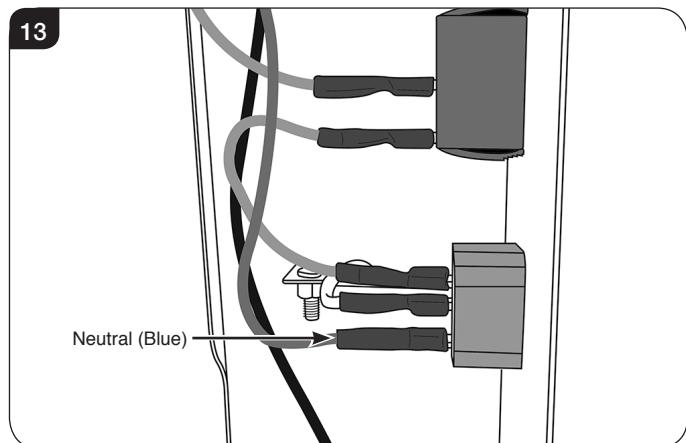
The left hand side is empty and can be placed to one side. The right hand side contains the PCB, Thermostat Control Board and connecting wires, these must be disconnected before servicing the fans and LEDs.

- 7.6 Disconnect the following cables from the PCB:

1kW Heater
2kW Heater
Flame effect
Neutral
See Diagram 12.

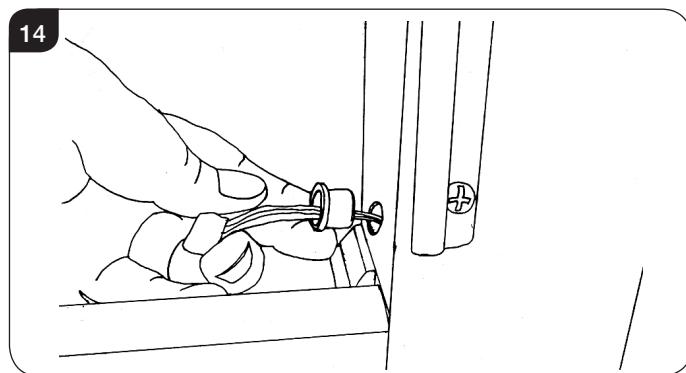


- 7.7 Disconnect the following cable from the rear of the Plug Socket:
Neutral, see Diagram 13.



- 7.8 Feed the Remote Sensor through the opening at the top of the appliance and let it hang loose with the other wires attached to the PCB.

- 7.9 Disconnect the wire from the right hand side of the LED boards and feed through the grommet in the appliance casing, see Diagram 14.

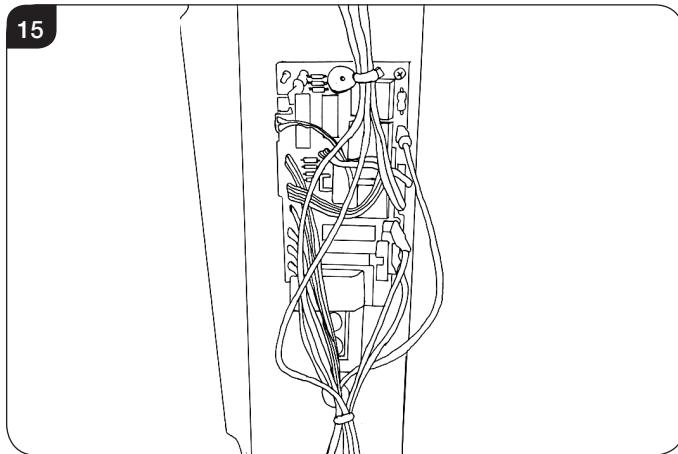


- 7.10 It is now possible to remove the right hand side to service the PCB and Thermostat control.

Servicing Instructions

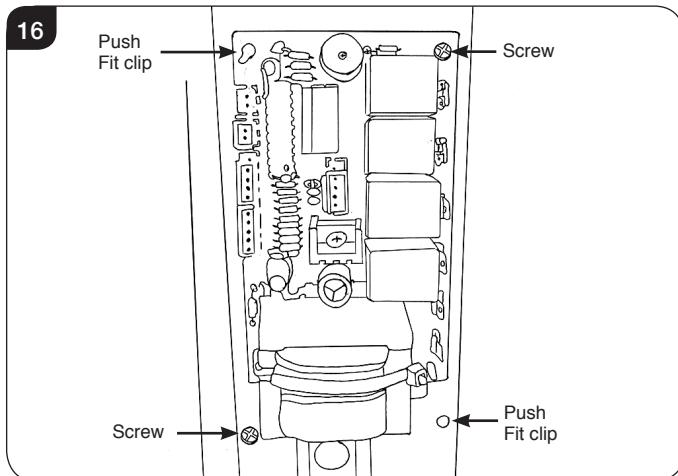
8. Replacing the PCB Unit

- 8.1 Remove the screws on the side of the unit with the control panel and open to reveal the PCB unit and the thermostat control board, see Diagram 15.



IMPORTANT: Make note of the wiring positions and ancillary molex component connectors before removing any connections.

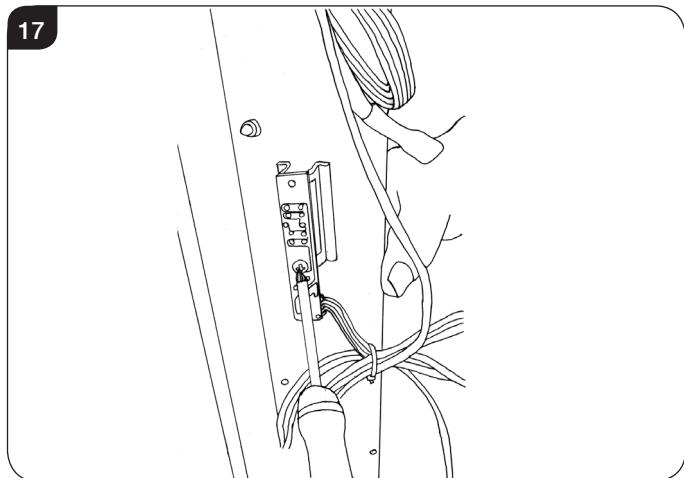
- 8.2 Carefully release the spade connectors and plugs to remove the wires from the PCB unit.
 8.3 Unscrew the 2 diagonal fixings and 2 push fit fasteners then carefully remove the PCB unit, see Diagram 16.



- 8.4 Replace in reverse order ensuring the connections are put back in exactly the same configuration as was originally found.

9. Replacing the Thermostat Control Board

- 9.1 Remove the screws on the side of the appliance with the control panel and open to reveal the PCB unit and the thermostat control board.
 9.2 Undo the screws on the back of the board and unclip the connector to remove the board, see Diagram 17.



- 9.3 Replace in reverse order.

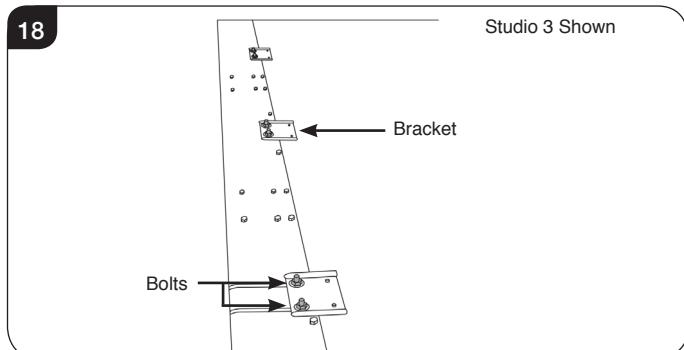
10. Accessing the Lower Assembly Bracket

The appliance has several effects which may need to be serviced including LED Boards and fans which are housed in the lower assembly bracket.

Before being able to access the effects it is necessary to remove:
 The Effects Screens, see section 4.
 The Silk Effect, see Section 5.
 Disconnect the Remote Sensor, see section 6.
 The appliance sides, see section 7.

Once these have been removed carefully lie the appliance face down with the top facing away.

- 10.1 The Silk Flame effect and the LED boards and fans are held to the body of the appliance by several bolts and brackets, see Diagram 18.

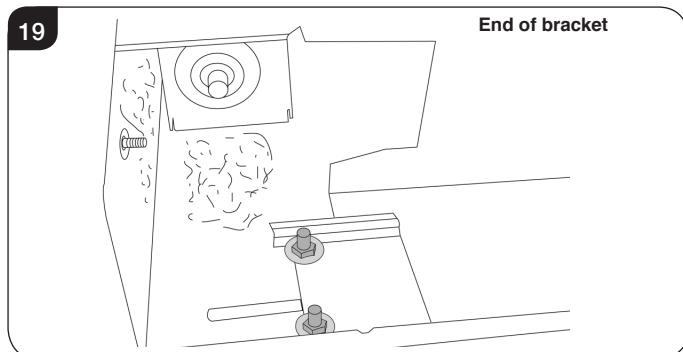


Servicing Instructions

- 10.2 The number of brackets will vary depending on the Studio model purchase:
 The Studio 1 and 22 have 2 brackets.
 The Studio 2 and 3 have 3 brackets.

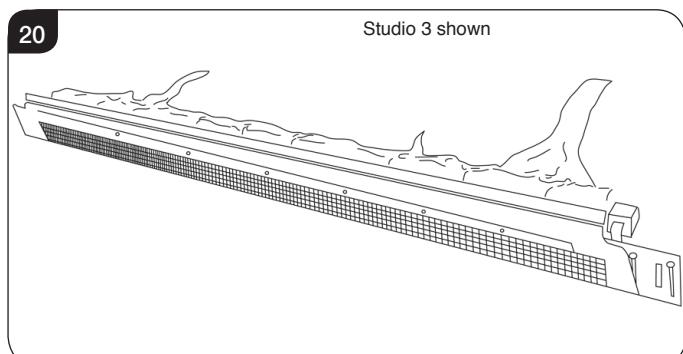
Remove the bolts and washers and place safely to one side.

- 10.3 There is an additional set of brackets on each side of the appliance, see Diagram 19.



Remove the bolts and washers from these brackets and store carefully with the others.

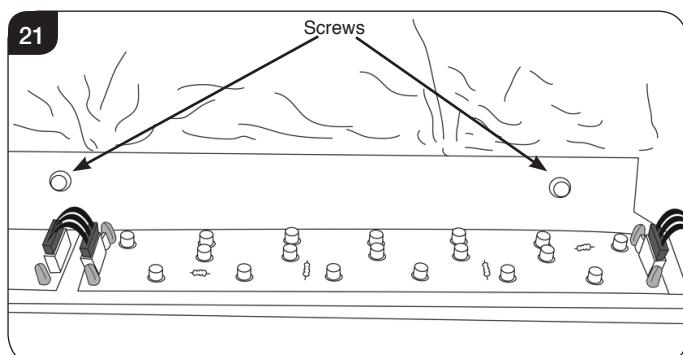
- 10.4 Turn the appliance over.
 It is now possible to remove the Fan, Silk and LED assembly, see Diagram 20.



Take care not to trap the silk when refitting the assembly, it is delicate and can be easily damaged.

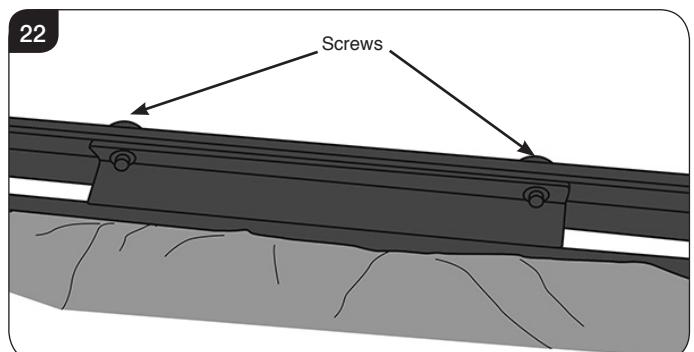
11. Removing the Silk Bracket

- 11.1 The bracket holding the silk effect and the LED boards is attached to the lower assembly bracket by screws.
 This number will vary depending on the appliance, see Diagram 21.



Note: The Studio 2 and 3 have air deflectors that are part of this bracket assembly. The deflectors are held in place by the screws that hold the silk bracket to the lower assembly bracket.

When removing the screws it will be necessary to support the air deflectors and then place safely to one side before continuing, see Diagram 22.



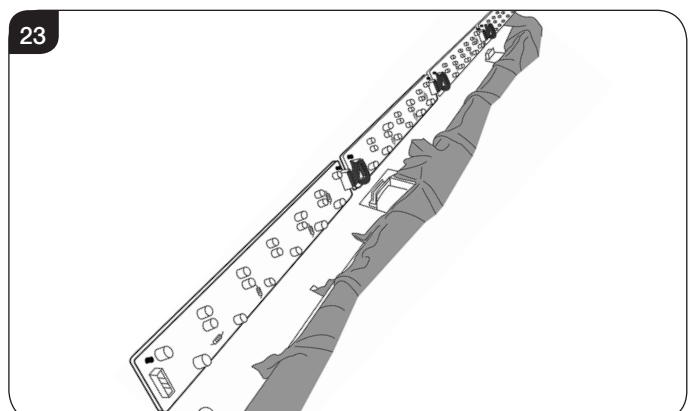
- 11.2 Once the screws are removed it is now possible to lift the silk assembly off the lower assembly bracket revealing the fans.

Replace in reverse order.

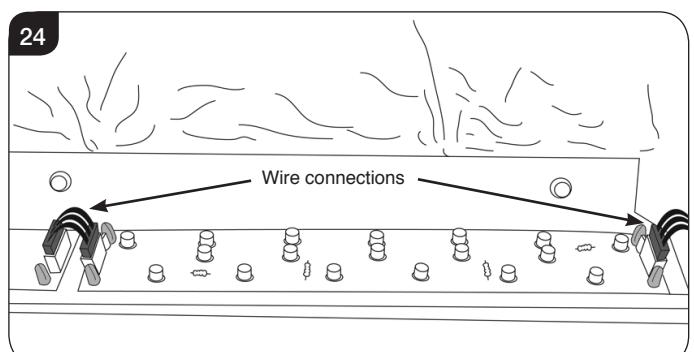
11a. Replacing the LED Effect Boards

To remove the lower assembly follow the steps in Section 10.

The LED boards are mounted in front of the Silk Effect, see Diagram 23.

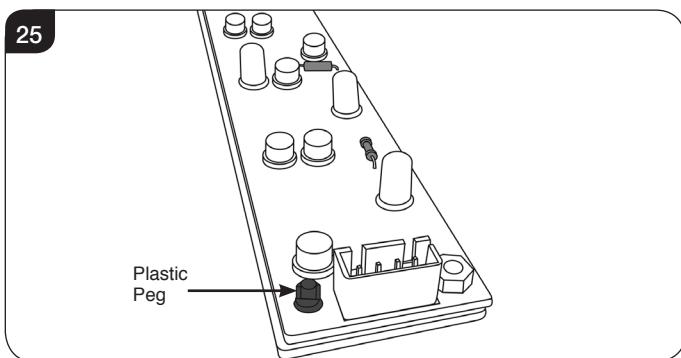


- 11.3 Disconnect the wire connectors and push down in the centre of each plastic peg to release the board from the bracket, see Diagram 24.



Servicing

- 11.4 The boards are held on by plastic pegs, see Diagram 25.



Pressing down the middle of these pegs with a pointed tool will release the board.

- 11.5 Fit in the reverse order.

11b. Replacing the Silk Effect

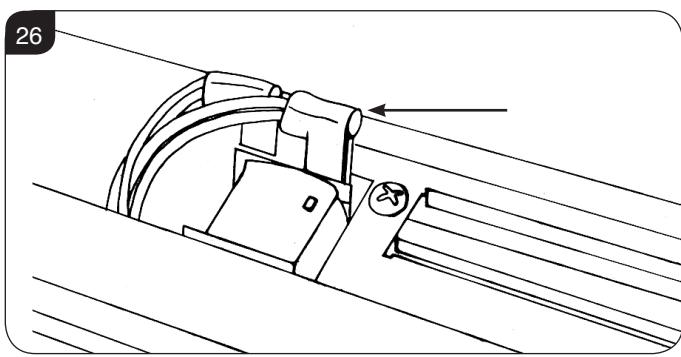
The silk flame effect is factory set.
It is not possible to adjust the position of lower fixings.
Do not remove the effect from the clamp.

11c. Replacing the Fans

To access the fan housing it is necessary to carefully follow Section 10 to remove the lower assembly bracket.

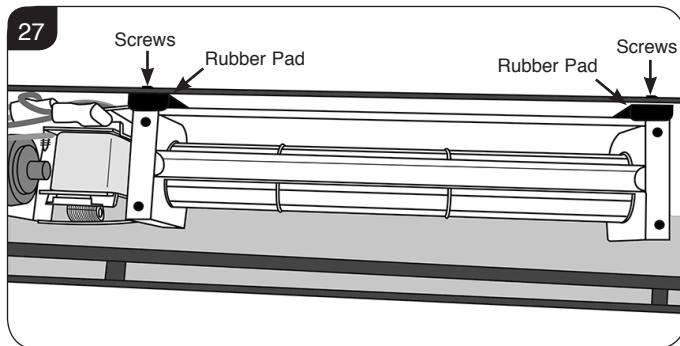
With the Silk Assembly removed the fans can now be replaced.

- 11.6 To remove the fans it is necessary to first unplug the connectors that link them together. Carefully pull off the cable and leave to one side, see Diagram 26.



- 11.7 Each fan is secured to the lower assembly bracket by 4 screws.

To remove the fan remove the screws, see Diagram 27.

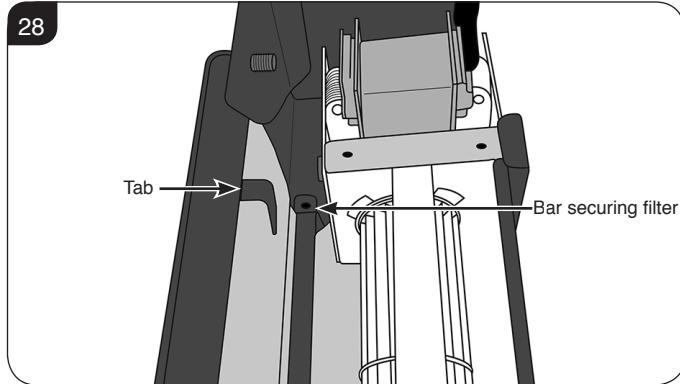


Note: There are rubber pads between the fans and the lower assembly bracket to dampen any vibration. These are held by the same screw that attaches the fan to the bracket. The pads must be carefully removed and replaced with the new fan.

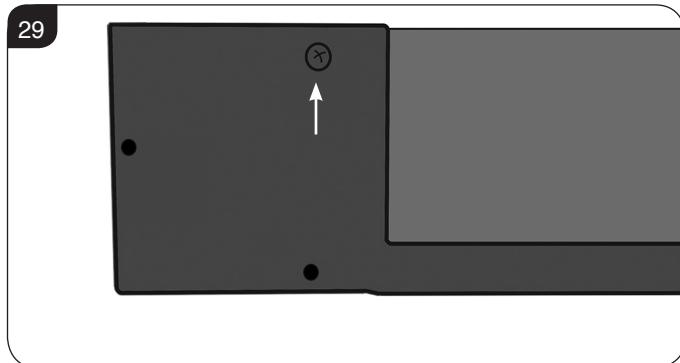
12. Replacing the Foam Filter

- 12.1 With the fans exposed it is possible to also replace the protective foam filter at the front of the lower assembly bracket.

- 12.2 The foam filter is held in place by a bar at the bottom of the assembly and tabs on the sides, see Diagram 28.



- 12.3 The bar holding the filter is secured by 2 screws on the base of the lower assembly bracket, see Diagram 29.



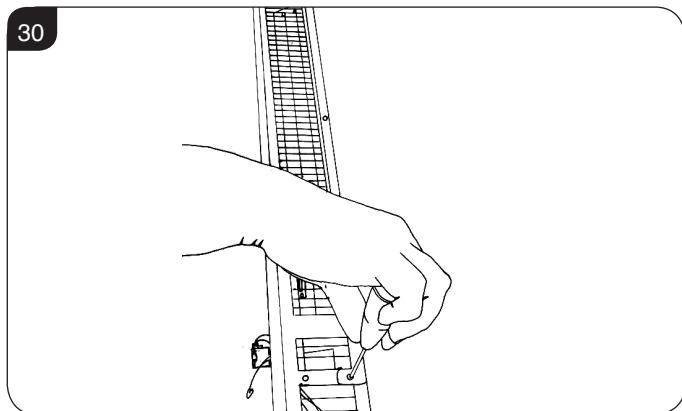
- 12.4 With the screws removed, lift the bar off and unhook the foam filter from under the tabs.

- 12.5 Replace in reverse order.

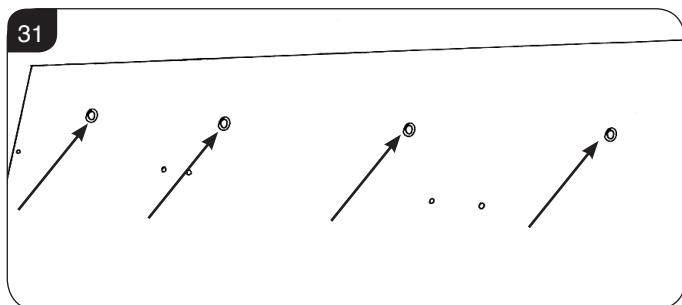
13. Replacing the Heating Element

All Models

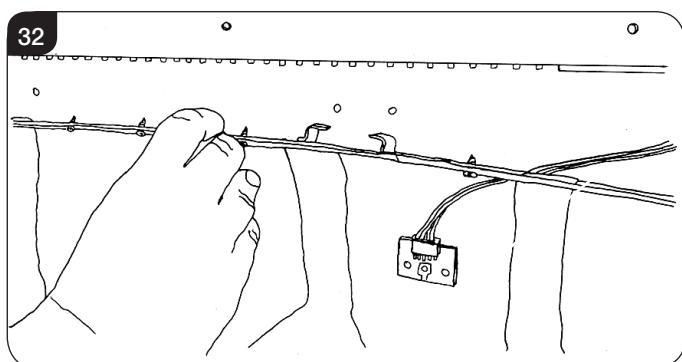
- 13.1 Before removing the element follow Section 4 - Removing the Decorative Screens and remove the top screen bracket.
- 13.2 Open the side panels - Section 7.
- 13.3 Remove the 4 screws on the top which secure the element cover, see Diagram 30.



- 13.4 Remove the screws on the back which secure the flame effect bracket, see Diagram 31.

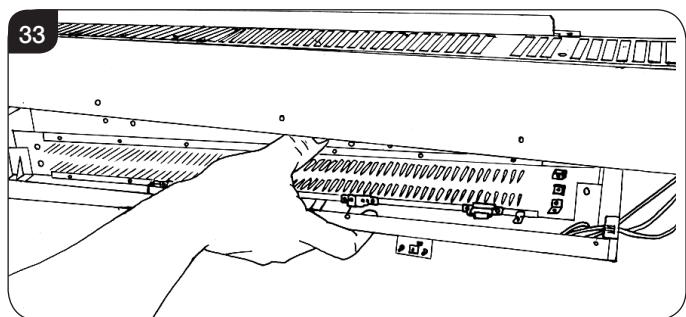


- 13.5 The flame effect can now be detached from the back of appliance and placed out of the working area, see Diagram 32.

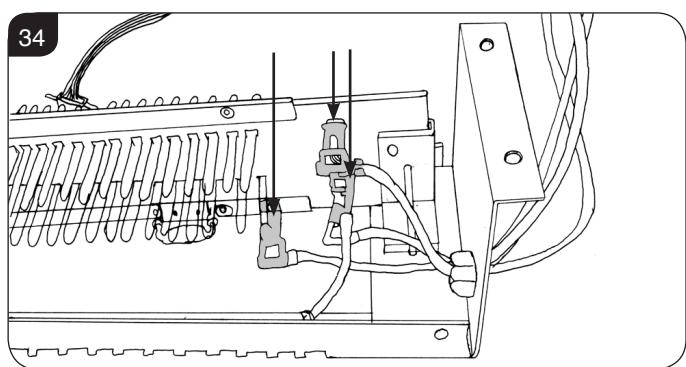


- 13.6 Lie the appliance flat on its back once more and remove the 2 screws in the front of the appliance that hold the element in place.

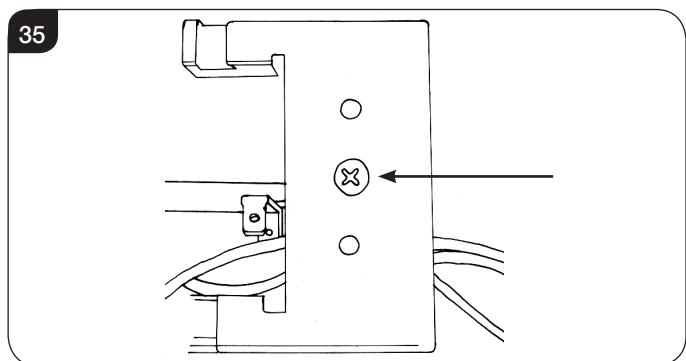
- 13.7 Ensure that the element is supported lift the appliance upright and lower the element bracket, see Diagram 33.



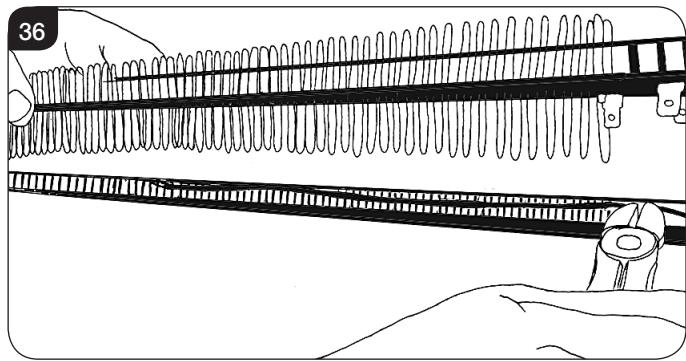
- 13.8 Carefully remove the wires on the right hand side using long nosed pliers making note of the wiring positions, see Diagram 34.



- 13.9 Remove the 2 screws on the underside of the element bracket (1 at each end), see Diagram 35.



- 13.10 Taking a wire cutter carefully cut the 3 cable ties that hold the black wire of the element in place, see Diagram 36.
CAUTION: DO NOT CUT THE WIRE.



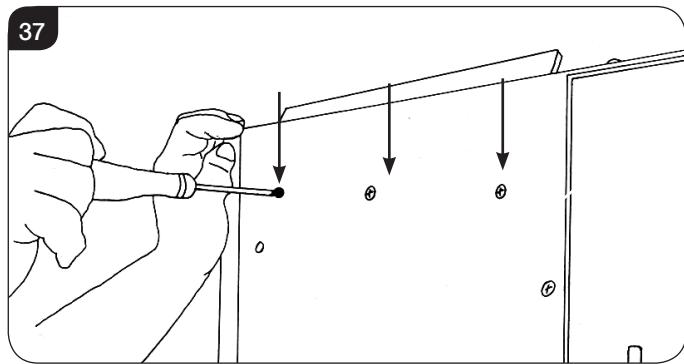
Servicing

13.11 Remove the element.

13.12 Replace in reverse order.

Studio 22

13.13 Remove the 3 screws on the back which secure the flame effect bracket, see Diagram 37.



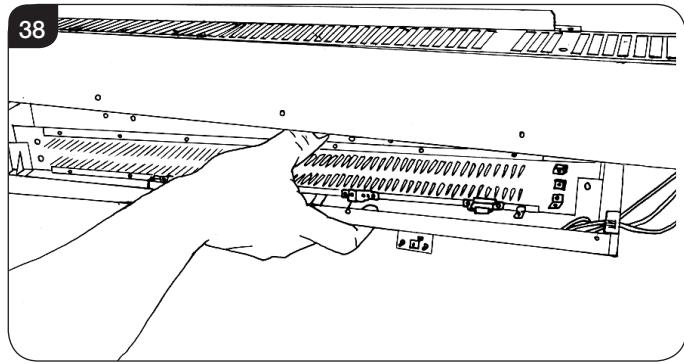
13.14 The flame effect can now be detached from the back of appliance and placed out of the working area.

13.15 Remove the screws that secure the side panel and the top 4 screws that hold the element in place.

IMPORTANT: You must support the element.

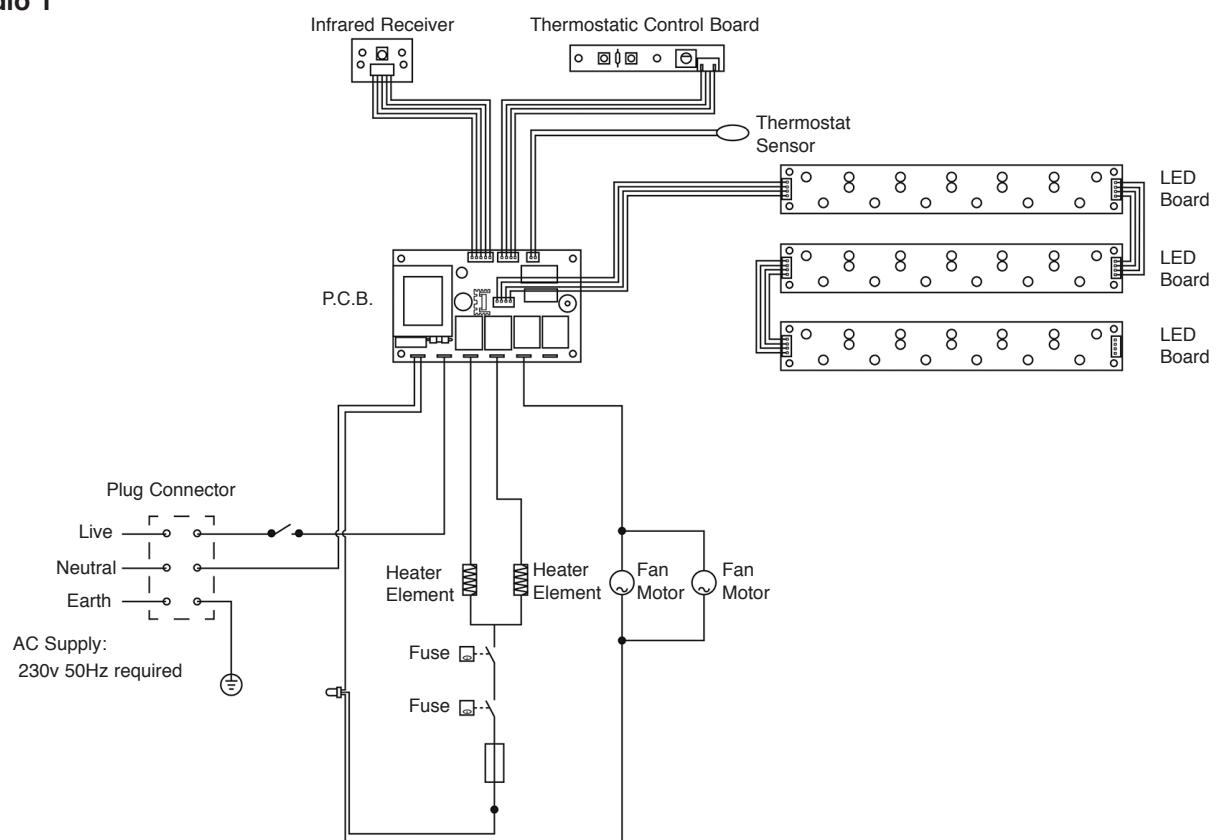
13.16 Open the side panel and pull the wires through carefully. Make a note of the wiring positions on the PCB unit and remove the wire. (Feed wires through and detach neutral).

13.17 Ensure that the element is supported lift the appliance upright and lower the element bracket, see Diagram 38.

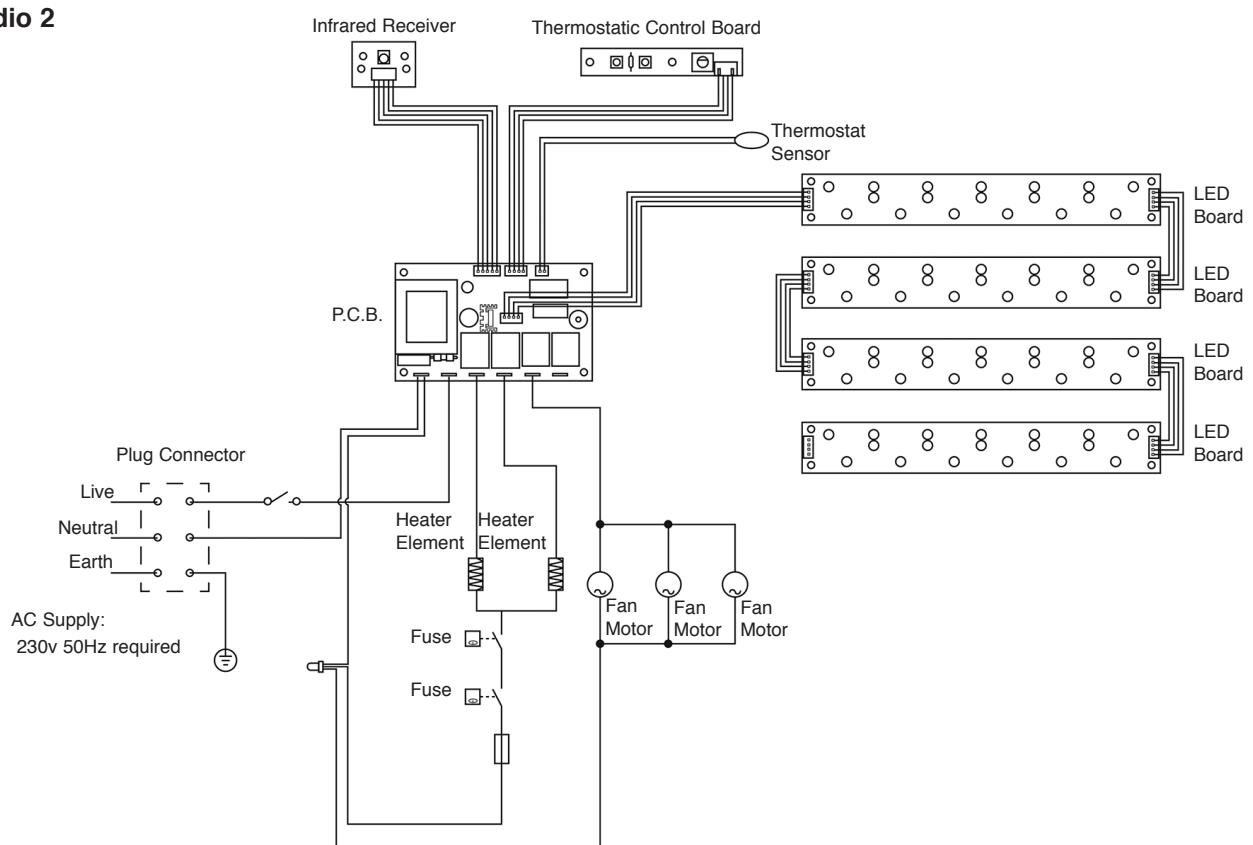


Wiring Diagrams

Studio 1

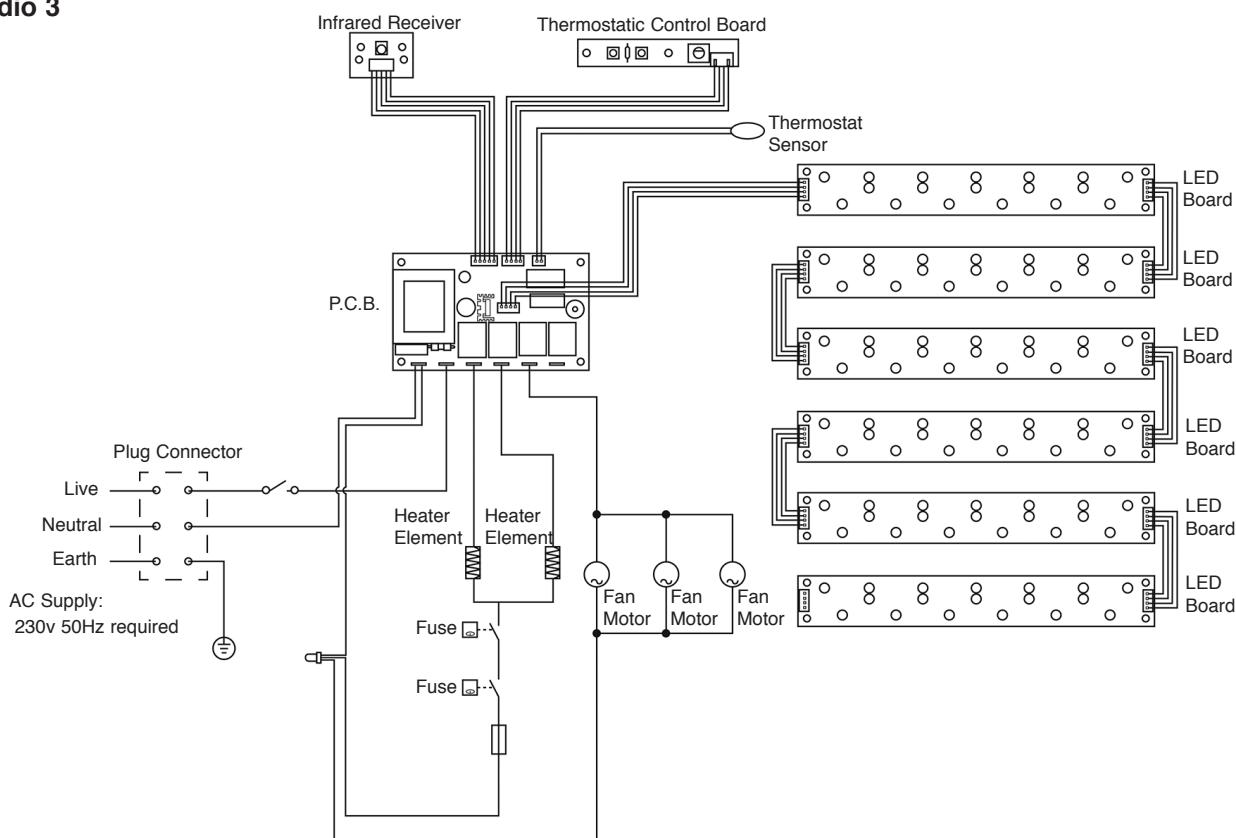


Studio 2

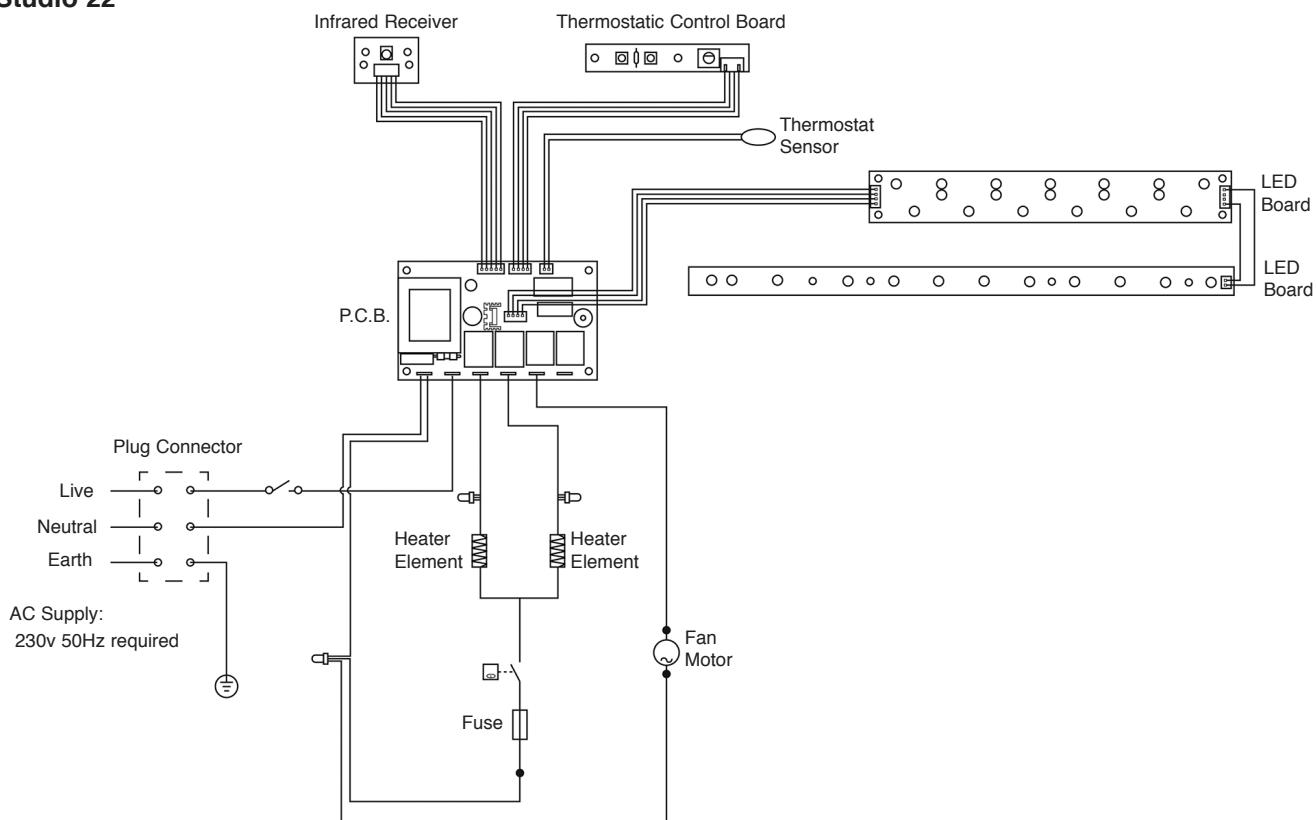


Wiring Diagrams

Studio 3



Studio 22



Spare Parts List

Parts Description	Studio 1	Studio 2	Studio 3	Studio 22
Main Front Screen (Outer Decorative Screen)	PL0120	PL0122	PL0127	PL0124
Front Backing Screen	PL0121	PL0123	PL0128	PL0125
Top Heater Element		EL0518		EL0532
Light Effect LED		EL0520		EL0529 (Lower) EL0530 (Upper)
LED Spacers		FA0667		FA0667 EL0531
Main PCB	EL0523		EL0556	EL0523
IR Receiver Board		EL0522		EL0528
Thermostat Control Board		EL0524		
Power cable (UK only) Right Angle		EL0552		
Remote Battery		EL0492		
Remote Handset		EL0491		
Fan Assembly	EL0519 (left Hand) EL0527 (Right Hand)	EL0519 (Central) EL0525 (left Hand) EL0525 (Right Hand)	EL0553	EL0527
Rubber Fan Mount		FA0670		
White Granite Chippings (For Verve Frame)	CE0982	CE0983	CE1185	CE0981



Registration No WEE/DH1656ZW
 In accordance with European Directive 2002/96/EC, waste electrical and electronic equipment (WEEE) must not be disposed of with household waste.

At the end of its useful life please take this product to an appropriate recycling centre or collection point. You can find your nearest recycling centre by using the bank locator at www.recycle-more.co.uk for UK customers, www.weeeireland.ie for customers in the Republic of Ireland, or by contacting your local authority.

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E & O E